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The present application is a National Stage of International Application No. PCT/DE98/01409, filed May 22, 1998, which claims priority to German Patent Application No. 197 21 700.1, filed May 23, 1997.

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The paragraph beginning at line 5 of page 1:

OKT3 is a monoclonal IgG 2a-type antibody originating from mice, which recognizes an epitope of an ϵ -subunit of the human CD3 complex (Kung et al., *Science* 206, pp. 347-349 (1979); Van Wauwe, et al., *J. Immunol.* 124, pp. 2708-2713 (1980); Transy et al., *Eur. J. Immunol.* 19, pp. 947-950 (1989)). The method of obtaining the monoclonal antibody from the corresponding hybridoma is described in detail in these publications. Furthermore, the OKT3-producing hybridoma cell line was deposited by the owner of European patent 0 018 795 under ATCC No. CRL 8001 with the American Type Culture Collection, 10801 University Boulevard, Manassas, VA 20110-2209, on April 26, 1979. OKT3 has been used for a long time to suppress a T-cell response thus preventing the rejection of transplants (Thistlethwaite et al., *Transplantation* 51, pp. 1207-1212 (1991)). On the other hand, OKT3 can also trigger T-cell activation and proliferation, which stimulates the effector cells, which can be used for the adoptive cancer immunotherapy (Yannelli et al., *J. Immunol. Meth.* 1, pp. 91-100 (1990)). OKT3 was used as such and as a component of a bispecific antibody to direct cytotoxic T-lymphocytes against tumor cells or virus-infected cells (Nitta et al., *Lancet* 335, pp. 368-376 (1990); Sanna et al., *Bio/Technology* 13, pp. 1221-1224 (1995)). Furthermore, humanized versions of the OKT3-monoclonal antibody which were expressed in COS cells are also known (Woodle et al., *J. Immunol.* 148, pp. 2756-2763 (1992); Adair et al., *Human. Antibod. Hybridomas*, pp. 41-47 (1994)). So far there has been the problem that OKT3 has no sufficient stability and particularly cannot be expressed in known recombinant expression systems in stably fashion and sufficient amount.

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The paragraph beginning at line 10 of page 6:

Thereafter, the amplified DNA was 'blunt-end' ligated into the vector pCR-Skript SK(+) sold by the company of Stratagene, which has been cleaved using the SrfI restriction enzyme. Mutations were inserted in the V_H domain originating from OKT3 by site specific

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mutagenesis (Kunkel et al., Meth. Enzymol. 154, pp. 367-382 (1987)). The amino acid substitution at position H100A of OKT3 (exchange of cysteine for serine) was carried out using the primer SK1 5'-GTAGTCAAGGCTGTAATGATCATC (SEQ ID NO. 7).

In the Claims

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1. (Amended) A recombinant antibody product, comprising the V_H domain of the OKT3 antibody, wherein the cysteine at position H100A of said V_H domain is substituted with a polar amino acid, wherein said position H100A is according to the Kabat numbering system.

2. (Amended) The recombinant antibody product, characterized in that the polar amino acid is serine.

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3. (Amended) The recombinant antibody product according to claim 1 comprising the amino acid sequence depicted by SEQ ID NO:2.

4. (Amended) A method for the production of the recombinant antibody product according to any one of claims 1 to 3, characterized by the steps of:

- obtaining mRNA from freshly subcloned hybridoma cells of OKT3 and transcription into cDNA,
- amplifying the DNA coding for the variable domains of the light and heavy chains by means of PCR,
- cloning of the DNA obtained in b) into a vector adapted for site-specific mutagenesis as well as introduction of a mutation in said position H100A of the V_H domain, wherein said position H100A is according to the Kabat numbering system, wherein said mutation is the substitution of a cysteine with a polar amino acid, and
- inserting the mutated DNA obtained in c) in an expression vector and expression in a suitable expression system.

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